

Framework Stewardship

Idaho Geospatial Forum


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Boise, Idaho

Stewardship— The Next Frontier

Data development is only the initial phase. To preserve our investment, we must effectively and reliably maintain and redistribute Framework data in a timely fashion.

Working together we can devise flexible and practical arrangements tailored to the needs of each Framework dataset.



Stewardship— Overview

- ▶ Stewardship and the Idaho SDI vision
- ▶ Data Life Cycle
- ▶ Stewardship Principles
- ▶ Formalizing Accountability

Idaho SDI Components

- ▶ **Content**
 - Enterprise Services
 - **Framework Data**
- ▶ Partnership Network
- ▶ Technical Infrastructure
- ▶ Governance

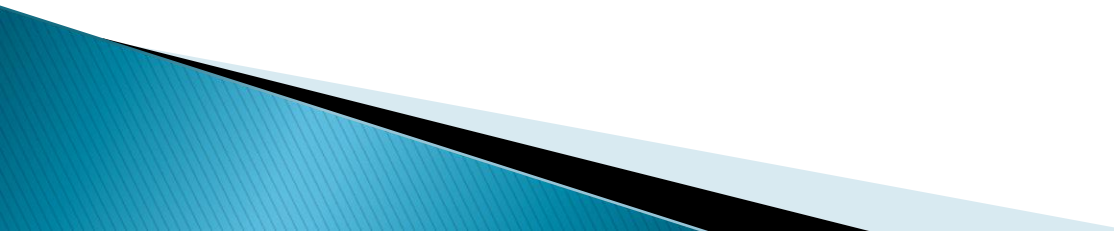
Data Stewardship - Defined

Larry English, a well-known consultant in knowledge management, defines data stewardship as

[T]he willingness to be accountable for a set of business information for the well-being of the larger organization, by operating in service, rather than in control, of those around us.*

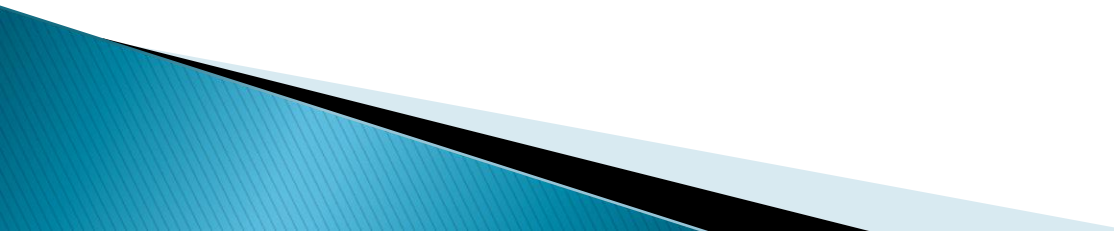
Within Idaho SDI, Framework stewardship embraces this definition and encompasses all aspects of Framework data management and appropriate access to it.

*English, Larry. *Information Stewardship—Giving IQ and Happiness* (Business Intelligence Network, 2006).



Framework Stewardship

Guiding Principles

- ▶ Framework data is a valuable strategic asset
 - ▶ Organizations with integral connection to the data take leading roles whenever possible
 - ▶ Processes are based on inclusive and well-documented data architecture
 - ▶ Policies and procedures for data maintenance are well documented and widely communicated
 - ▶ Data quality is critical and must be documented
 - ▶ Framework data is shared widely and appropriately
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Data Life Cycle

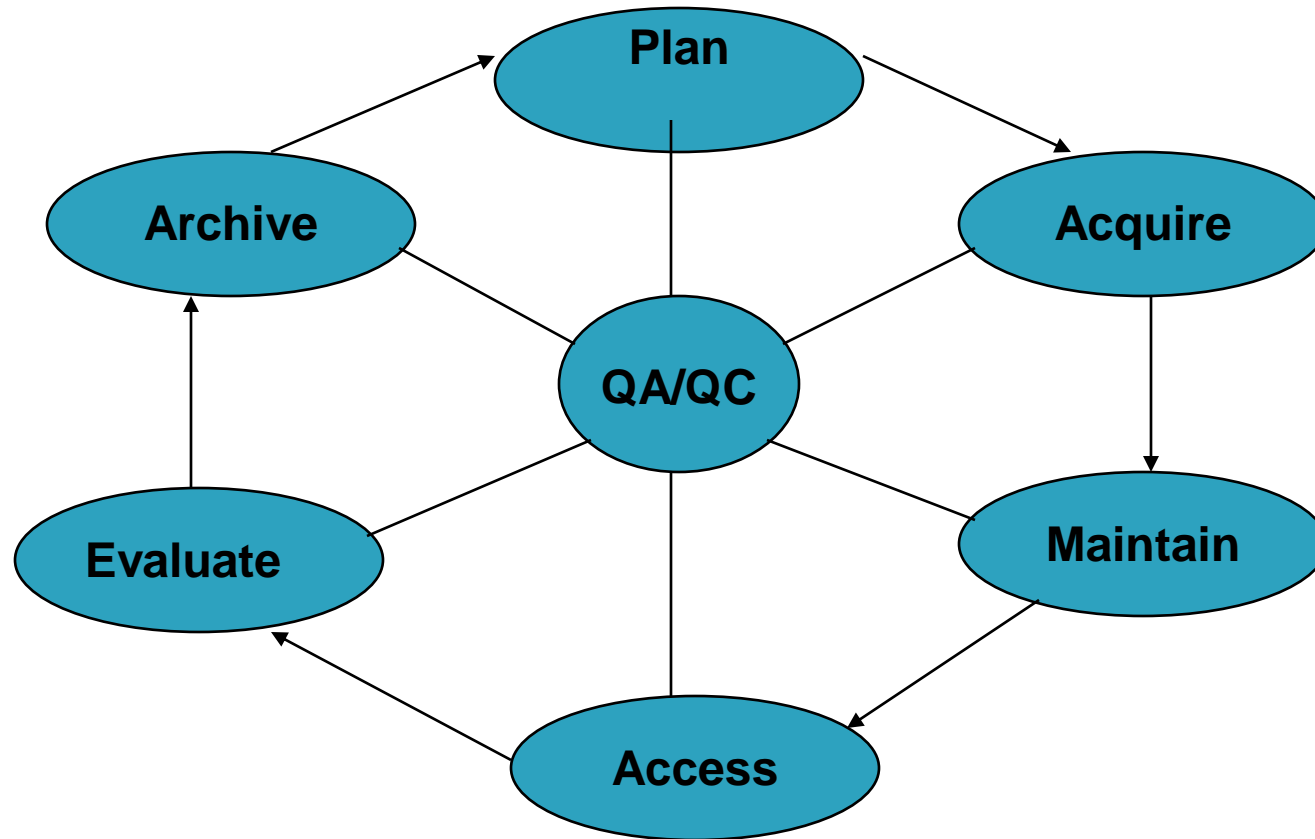
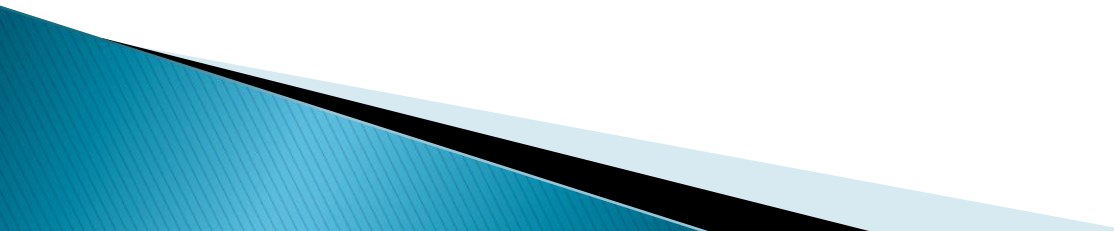


Diagram taken from *Data Management for Data Stewards*, BLM Course Manual, Course No. 0688.

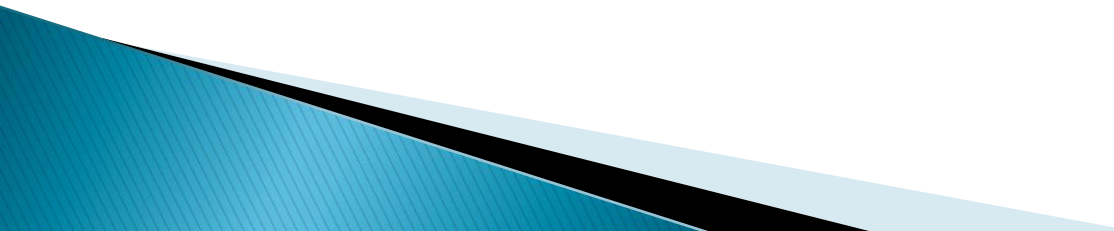
Stewardship Best Practices

Four Categories

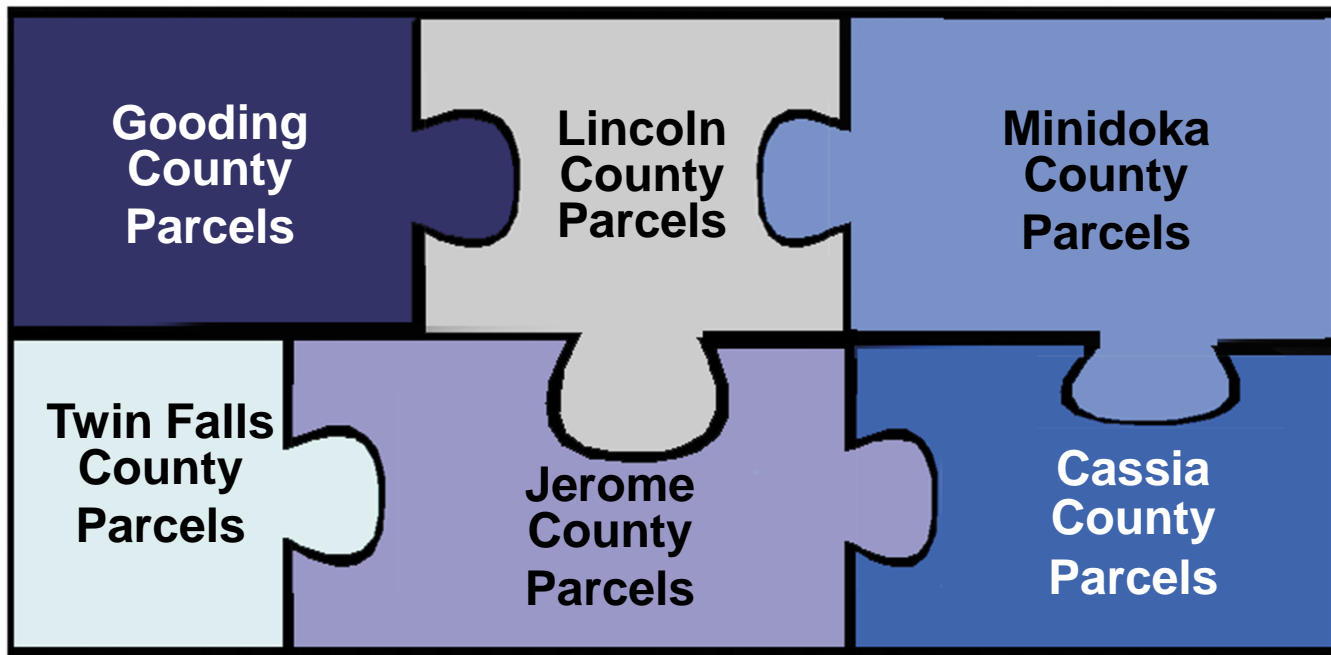
1. Database Organization and Design
 2. Database Processes
 3. Organizational Structure and Responsibility
 4. Database Administration and Accessibility
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Framework Stewardship

Three Aspects

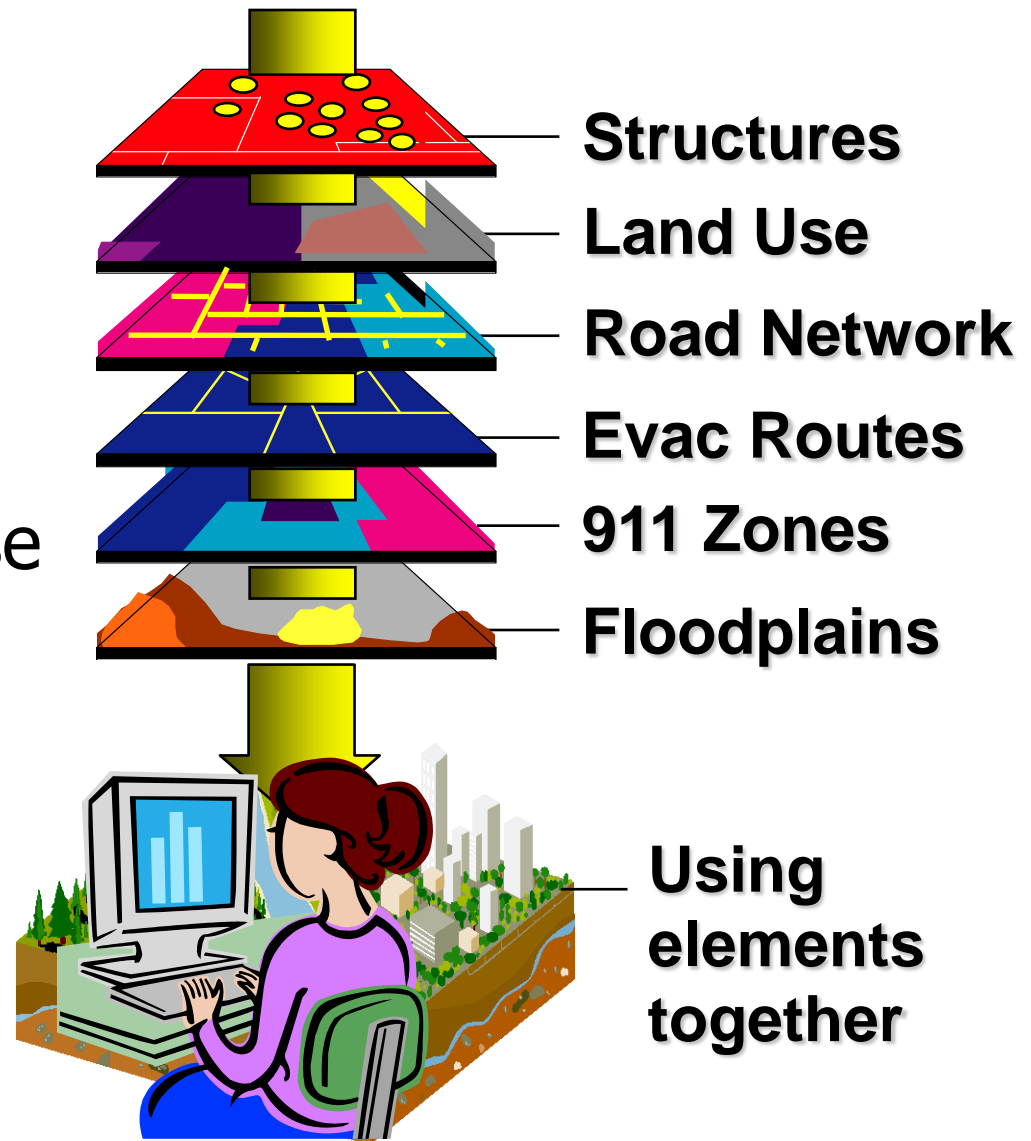
1. Source stewardship
 2. Horizontal stewardship involves integrating geographic chunks contributed by data creators into statewide datasets (Framework)
 3. Vertical stewardship assures spatial registration and harmonious database models among Framework datasets
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Horizontal Integration



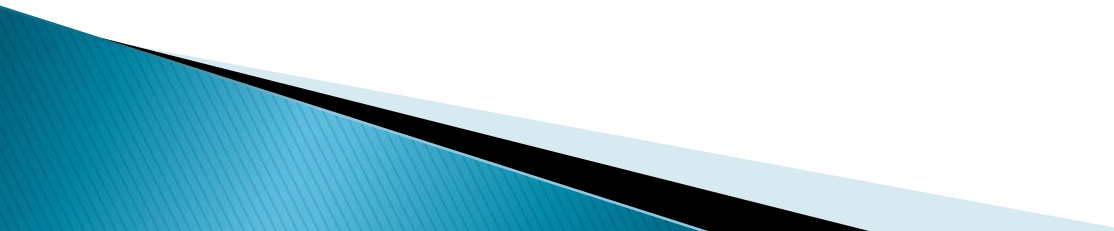
Vertical Integration

- ▶ Siting new facilities
- ▶ Mitigation planning
- ▶ Emergency response
- ▶ Resource allocation



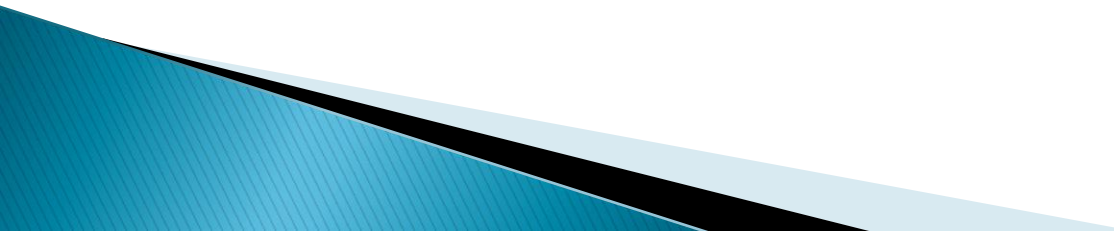
Oregon Model

Formalizing Accountability

- ▶ Establish a Steward Group
 - ▶ Adopt a Charter that:
 - Declares a name, authority, mission & objectives, and membership
 - Defines activities and priorities
 - Establishes rules of order
 - Documents roles and responsibilities of members
 - ▶ Align PDs and reward activities via evaluation
 - ▶ Budget for stewardship activities
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Stewardship

Challenges & Opportunities

- ▶ Network governance is new concept
 - ▶ We're creating as we go
 - ▶ One approach does not fit all datasets
 - ▶ Resources and willingness vary widely
 - ▶ Need for sustained collaboration
 - ▶ Need consistent policy permitting stable funding, treatment of data as strategic asset, tracking benefits, aligning budgets
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Framework Stewardship

Three Idaho Examples

- ▶ Hydrography has a working stewardship model led by state/federal partnership
- ▶ INSIDE Idaho demonstrates technical pathways for road centerline stewardship
- ▶ Consortium for periodic acquisitions, e.g. Imagery

Any Volunteers?

- ▶ Three volunteers are needed to shape Idaho's stewardship approach. Here's what to expect:
 - Several small committee meetings
 - Some document reviewing, writing, commenting
 - Participating in outreach activities

Resources

- ▶ <http://gis.idaho.gov>
- ▶ Gail Ewart, Geospatial Information Officer
 - 208-332-1879
 - gail.ewart@cio.idaho.gov
- ▶ Oregon model
 - <http://gis.oregon.gov/stewardship>
- ▶ Geographic Data Stewardship Best Practices
 - <http://gis.oregon.gov/DAS/EISPD/GEO/gisutility.shtml>